

SEQUENCE LISTING

<110> THINAKARAN, GOPAL

<120> FUNCTIONAL SCREENING

<130> ARCD:364US

<140> UNKNOWN

<141> 2001-01-17

<150> 60/262,353

<151> 2001-01-17

<160> 15

<170> PatentIn Ver. 2.1

<210> 1

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 1

cctgaagacc cagagatggc caagttgacc agtgcc

36

<210> 2

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 2

cctctctggg tcttcgtcct gctcctcggc cacgaag

37

<210> 3

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 3

ccaccgccct caaagtagac g

21

<210> 4

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 4

ccaacttaat cgccttgacag ca

22

<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 5

cgctacatta ctgttgcaact cc

22

<210> 6

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Primer

<400> 6

ggcctctggg tcttccgggt ctccttctgc

30

<210> 7
 <211> 166
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 7

Trp Thr Val Trp Phe Val Leu Phe Val Ile Ser Val Trp Asp Leu Val
 1 5 10 15

Ala Val Leu Thr Pro Lys Gly Pro Leu Arg Tyr Leu Val Glu Thr Ala
 20 25 30

Gln Glu Arg Asn Glu Pro Ile Phe Pro Ala Leu Ile Tyr Ser Ser Gly
 35 40 45

Val Ile Tyr Pro Tyr Val Leu Val Thr Ala Val Glu Asn Thr Thr Asp
 50 55 60

Pro Arg Glu Pro Thr Ser Ser Asp Ser Asn Thr Ser Thr Ala Phe Pro
 65 70 75 80

Gly Glu Ala Ser Cys Ser Ser Glu Thr Pro Lys Arg Pro Lys Val Lys
 85 90 95

Arg Ile Pro Gln Lys Val Gln Ile Glu Ser Asn Thr Thr Ala Ser Thr
 100 105 110

Thr Gln Asn Ser Gly Val Arg Val Glu Arg Glu Leu Ala Ala Glu Arg
 115 120 125

Pro Thr Val Gln Asp Ala Asn Phe His Arg His Glu Glu Glu Glu Arg
 130 135 140

Gly Val Lys Leu Gly Leu Gly Asp Phe Ile Phe Tyr Ser Val Leu Leu
 145 150 155 160

Gly Lys Ala Ser Ser Tyr
 165

<210> 8
 <211> 124
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 8

Trp Thr Val Trp Met Ala Leu Thr Ala Ile Ser Phe Trp Asp Ile Val
1 5 10 15

Ala Val Leu Thr Pro Cys Gly Pro Leu Lys Met Leu Val Glu Thr Ala
20 25 30

Asn Arg Arg Gly Asp Asp Lys Phe Pro Ala Ile Leu Tyr Asn Ser Ser
35 40 45

Ser Tyr Val Asn Glu Val Asp Ser Pro Asp Thr Thr Arg Ser Asn Ser
50 55 60

Thr Pro Leu Thr Glu Phe Asn Asn Ser Ser Ser Ser Arg Leu Leu Glu
65 70 75 80

Ser Asp Ser Leu Leu Arg Pro Pro Val Ile Pro Arg Gln Ile Arg Glu
85 90 95

Val Arg Glu Val Glu Gly Thr Ile Arg Leu Gly Met Gly Asp Phe Val
100 105 110

Phe Tyr Ser Leu Met Leu Gly Asn Thr Val Gln Thr
115 120

<210> 9

<211> 74

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
Peptide

<400> 9

Trp Thr Trp Leu Ile Leu Ala Ile Ser Val Tyr Asp Leu Val Ala Val
1 5 10 15

Leu Pro Lys Gly Pro Leu Arg Met Leu Val Glu Thr Ala Gln Glu Arg
20 25 30

Asn Glu Leu Phe Pro Ala Leu Ile Tyr Ser Ser Met Val Trp Val Met

35 40 45
 Ser Glu Glu Glu Glu Arg Gly Val Lys Leu Gly Leu Gly Asp Phe Ile
 50 55 60

Phe Tyr Ser Val Leu Val Gly Lys Ala Thr
 65 70

<210> 10
 <211> 131
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 10
 Trp Ser Ala Trp Val Ile Leu Gly Ala Ile Ser Val Tyr Asp Leu Val
 1 5 10 15
 Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met Leu Val Glu Thr Ala
 20 25 30
 Gln Glu Arg Asn Glu Pro Ile Phe Pro Ala Leu Ile Tyr Ser Ser Ala
 35 40 45
 Met Val Trp Thr Val Gly Met Ala Lys Leu Asp Pro Ser Ser Gln Gly
 50 55 60
 Ala Leu Gln Leu Pro Tyr Asp Pro Glu Met Glu Glu Asp Ser Tyr Asp
 65 70 75 80
 Ser Phe Gly Glu Pro Ser Tyr Pro Glu Val Phe Glu Pro Pro Leu Thr
 85 90 95
 Gly Tyr Pro Gly Glu Glu Leu Glu Glu Glu Glu Arg Gly Val Lys
 100 105 110
 Leu Gly Leu Gly Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala
 115 120 125
 Ala Ala Thr
 130

<210> 11

<211> 129
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 11
 Trp Ser Ala Trp Val Ile Leu Gly Ala Ile Ser Val Tyr Asp Leu Leu
 1 5 10 15
 Ala Val Leu Cys Pro Lys Gly Pro Leu Arg Met Leu Val Glu Thr Ala
 20 25 30
 Gln Glu Arg Asn Glu Pro Ile Phe Pro Ala Leu Ile Tyr Ser Ser Ala
 35 40 45
 Met Met Trp Thr Val Gly Met Ala Asp Ser Ala Thr Ala Asp Gly Arg
 50 55 60
 Met Asn Gln Gln Val Gln His Ile Asp Arg Asn Thr Pro Glu Gly Ala
 65 70 75 80
 Asn Ser Thr Val Glu Asp Ala Ala Glu Thr Arg Ile Gln Thr Gln Ser
 85 90 95
 Asn Leu Ser Ser Glu Asp Pro Asp Glu Glu Arg Gly Val Lys Leu Gly
 100 105 110
 Leu Gly Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ala Ala
 115 120 125
 Thr

<210> 12
 <211> 210
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 Peptide

<400> 12
 Trp Thr Ala Trp Ala Val Leu Ala Ala Ile Ser Ile Trp Asp Leu Ile

1 5 10 15
 Ala Val Leu Ser Pro Arg Gly Pro Leu Arg Ile Leu Val Glu Thr Ala
 20 25 30
 Gln Glu Arg Asn Glu Gln Ile Phe Pro Ala Leu Ile Tyr Ser Ser Thr
 35 40 45
 Val Val Tyr Ala Leu Val Asn Thr Val Thr Pro Gln Gln Ser Gln Ala
 50 55 60
 Thr Ala Ser Ser Ser Pro Ser Ser Ser Asn Ser Thr Thr Thr Thr Arg
 65 70 75 80
 Ala Thr Gln Asn Ser Leu Ala Ser Pro Glu Ala Ala Ala Ala Ser Gly
 85 90 95
 Gln Arg Thr Gly Asn Ser His Pro Arg Gln Asn Gln Arg Asp Asp Gly
 100 105 110
 Ser Val Leu Ala Thr Glu Gly Met Pro Leu Val Thr Phe Lys Ser Asn
 115 120 125
 Leu Arg Gly Asn Ala Glu Ala Ala Gly Phe Thr Gln Glu Trp Ser Ala
 130 135 140
 Asn Leu Ser Glu Arg Val Ala Arg Arg Gln Ile Glu Val Gln Ser Thr
 145 150 155 160
 Gln Ser Gly Asn Ala Gln Arg Ser Asn Glu Tyr Arg Thr Val Thr Ala
 165 170 175
 Pro Asp Gln Asn His Pro Asp Gly Gln Glu Glu Arg Gly Ile Lys Leu
 180 185 190
 Gly Leu Gly Asp Phe Ile Phe Tyr Ser Val Leu Val Gly Lys Ala Ser
 195 200 205
 Ser Tyr
 210

<210> 13
 <211> 166
 <212> PRT
 <213> Artificial Sequence

 <220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 13

Trp Thr Val Trp Phe Val Leu Phe Val Ile Ser Val Trp Asp Leu Val
1 5 10 15

Ala Val Leu Thr Pro Lys Gly Pro Leu Arg Tyr Leu Val Glu Thr Ala
20 25 30

Gln Glu Arg Asn Glu Pro Ile Phe Pro Ala Leu Ile Tyr Ser Ser Gly
35 40 45

Val Ile Tyr Pro Tyr Val Leu Val Thr Ala Val Glu Asn Thr Thr Asp
50 55 60

Pro Arg Glu Pro Thr Ser Ser Asp Ser Asn Thr Ser Thr Ala Phe Pro
65 70 75 80

Gly Glu Ala Ser Cys Ser Ser Glu Thr Pro Lys Arg Pro Lys Val Lys
85 90 95

Arg Ile Pro Gln Lys Val Gln Ile Glu Ser Asn Thr Thr Ala Ser Thr
100 105 110

Thr Gln Asn Ser Gly Val Arg Val Glu Arg Glu Leu Ala Ala Glu Arg
115 120 125

Pro Thr Val Gln Asp Ala Asn Phe His Arg His Glu Glu Glu Glu Arg
130 135 140

Gly Val Lys Leu Gly Leu Gly Asp Phe Ile Phe Tyr Ser Val Leu Leu
145 150 155 160

Gly Lys Ala Ser Ser Tyr
165

<210> 14

<211> 124

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 14

Trp Thr Val Trp Met Ala Leu Thr Ala Ile Ser Phe Trp Asp Ile Val
 1 5 10 15
 Ala Val Leu Thr Pro Cys Gly Pro Leu Lys Met Leu Val Glu Thr Ala
 20 25 30
 Asn Arg Arg Gly Asp Asp Lys Phe Pro Ala Ile Leu Tyr Asn Ser Ser
 35 40 45
 Ser Tyr Val Asn Glu Val Asp Ser Pro Asp Thr Thr Arg Ser Asn Ser
 50 55 60
 Thr Pro Leu Thr Glu Phe Asn Asn Ser Ser Ser Ser Arg Leu Leu Glu
 65 70 75 80
 Ser Asp Ser Leu Leu Arg Pro Pro Val Ile Pro Arg Gln Ile Arg Glu
 85 90 95
 Val Arg Glu Val Glu Gly Thr Ile Arg Leu Gly Met Gly Asp Phe Val
 100 105 110
 Phe Tyr Ser Leu Met Leu Gly Asn Thr Val Gln Thr
 115 120

<210> 15

<211> 74

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic Peptide

<400> 15

Trp Thr Trp Leu Ile Leu Ala Ile Ser Val Tyr Asp Leu Val Ala Val
 1 5 10 15
 Leu Pro Lys Gly Pro Leu Arg Met Leu Val Glu Thr Ala Gln Glu Arg
 20 25 30
 Asn Glu Leu Phe Pro Ala Leu Ile Tyr Ser Ser Met Val Trp Val Met
 35 40 45
 Ser Glu Glu Glu Glu Arg Gly Val Lys Leu Gly Leu Gly Asp Phe Ile
 50 55 60

Phe Tyr Ser Val Leu Val Gly Lys Ala Thr

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